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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA/T 961-2020

Technical specifications for acceptance of intelligent monitoring and recording system for vehicles on roads

道路车辆智能监测记录系统验收技术规范

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GA/T 961-2011 "Technical Specification for Acceptance of Intelligent Monitoring and Recording System of Highway Vehicles". With GA/T 961-2011 in comparison, in addition to editorial changes, the main technical changes are as follows.

---Modified the standard name (see standard name, standard name in the 2011 edition);

---Modified "Terms and Definitions" (see Chapter 3, Chapter 3 of the 2011 edition);

---Modified the "acceptance conditions" (see 4.1, Chapter 4 of the 2011 edition);

---Modified "Acceptance Organization" (see 4.3, Chapter 5 of the 2011 edition);

--- Added "Passing Vehicle Detection Function" (see 5.1.2);

---Modified the "Vehicle Image Recording Function" (see 5.1.3, 6.1.2 of the 2011 edition);

---Modified the "vehicle number plate recognition function" (see 5.1.4, 2011 version 6.1.3);

---Added "model recognition function" (see 5.1.5);

---Added "vehicle brand logo recognition function" (see 5.1.6);

---Added "body color recognition function" (see 5.1.7);

---Modified the "speed measurement function" (see 5.1.8, 6.1.5 of the 2011 edition);

---Modified the "automatic alarm function" (see 5.1.9, 6.1.4 of the 2011 edition);

--- Modified "Data Transmission Function" (see 5.1.10, 6.1.8 of the 2011 edition);

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---Added "operation status management function" (see 5.1.11);

---Modified the "Flow Statistics Function" (see 5.1.13, 6.1.7 of the 2011 edition);

--- Added "Synchronous Fill Light Function" (see 5.1.14);

--- Added "clock synchronization function" (see 5.1.15);

---Added "motor vehicle electronic identification reading and comparison function" (see 5.1.16);

---Modified the "Image Requirements" (see 5.2.1, 6.2.1 of the 2011 edition);

---Modified "Data Format Requirements" (see 5.2.2, 6.2.2 of the 2011 edition);

--- Added "Storage Requirements" (see 5.2.3);

---Modified "brand, model and quantity" (see 5.3.1, 6.3.1 of the 2011 edition);

---Modified "Project Quality Inspection" (see 5.4, 6.4 of the 2011 edition);

--- Deleted "sampling" (see Chapter 7 of the 2011 edition);

--- Amended "Appendix A" (see Appendix A, Appendix A of the 2011 edition).

This standard was proposed by the Traffic Management Research Institute of the Ministry of Public Security.

This standard is under the jurisdiction of the National Road Traffic Management Standardization Technical Committee (SAC/TC576).

The organization responsible for drafting this standard. Traffic Management Research Institute of the Ministry of Public Security.

Participated in the drafting of this standard. National Road Traffic Safety Product Quality Supervision and Inspection Center.

1 Scope

This standard specifies the preparation for acceptance of road vehicle intelligent monitoring and recording system, acceptance items and methods, and evaluation of acceptance results.

This standard applies to the inspection and acceptance of the functions, software and hardware, and engineering quality of the intelligent monitoring and recording system for newly built and rebuilt road vehicles.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated

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references, the latest version (including all amendments) applies to this document.

GB 50348-2018 Technical Code for Safety and Defense Engineering GA/T 497-2016 General technical conditions for road vehicle intelligent monitoring and recording system GA/T 832 Technical Specification for Image Evidence Collection of Road Traffic Safety Illegal Acts GA/T 833 Technical Specification for Automatic Recognition of Motor Vehicle Number Plate Image

3 Terms and definitions

GA/T 497-2016 and the following terms and definitions apply to this document.

Acceptanceofinteligentmonitoringandrecordingsystemforve-hiclesonroads After the installation, commissioning, and trial operation of the road vehicle intelligent monitoring and recording system is completed, in accordance with the requirements of the technical standards, refer to the tenders, contracts, etc.

Should be documented, the conformity assessment given for system function performance, software and hardware, engineering quality, etc.

4.1 Acceptance conditions

Before the acceptance of the road vehicle intelligent monitoring and recording system, the following work should be carried out.

a) The construction unit or its designated unit conducts a preliminary inspection of the system hardware and project quality in accordance with the contract, and completes the preliminary inspection evaluation report.

See Table A.1 in Appendix A;

b) The construction unit or its designated unit completes the conformity inspection of supporting facilities such as markings and markings;

c) The contractor organizes the trial operation of the road vehicle intelligent monitoring and recording system for no less than 1 month, and completes the trial operation report Report, see Table A.2.

4.2 Acceptance documents

The following documents should be prepared before the acceptance of the road vehicle intelligent monitoring and recording system.

a) For acceptance application, see Table A.3;

b) Purchase contracts, bidding documents, bidding documents, etc.;

c) Design documents, including the principle and structure of the system, installation and

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construction, operating instructions, etc.;

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